

## **APPARATUS AND METHODS FOR TREATING THE URINARY BLADDER**

### **Abstract**

Disclosed are devices and methods for treating disease in a urinary bladder. The devices include a bladder liner for insertion into the urinary bladder and catheters positioned within the urinary bladder to carry urine from the ureters to an outside collection container. The bladder liner and catheters are constructed of biocompatible materials and are configured to create a seal with the urethra and ureters. The bladder liner may be adapted to deliver medicinal agents to the urinary bladder. Methods of treating disease in the urinary bladder include isolating urine from the bladder wall to allow sufficient time for the bladder wall to heal e.g., by implanting the aforementioned devices. Healing or pain relief may be enhanced by instilling pharmaceutical agents between the liner and bladder wall without dilutional effects.

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